Canon

Delighting You Always

VB-M40B

VB-M40

INTELLIGENT NETWORK CAMERA

UNRIVALED IN SURVEILLANCE TECHNOLOGY

HIGH RESOLUTION
MONITORING AT ITS FINEST

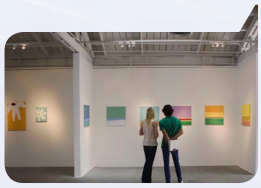
As a testament to Canon's insatiable dedication to optical technology, the new VB-M40 network camera comes packed with advanced features that integrate the best in optical hardware and surveillance solutions. With digital imaging surveillance finding more prevalence in business environments, the VB-M40's intuitive versatility, easy operation, and small form factor make it the consummate "eye in the sky".

VB-M40 : SILVER WHITE
VB-M40B : BLACK

SUPERIOR OPTICS SEE EVERYTHING

Equipped with a powerful 20x optical zoom and wide 54-degree horizontal field of view, the VB-M40 lets nothing slip past you. Along with the ability to pan, tilt and zoom to cover every nook and cranny in its installed environment, the VB-M40's superior optics also records images in crisp megapixel quality.

AMAZING PERFORMANCE IN LOW LIGHTING



The VB-M40 boasts exceptional sensitivity in low-light conditions, ensuring that the lack of adequate lighting never impedes the surveillance process. An automatic 5-level brightness function faithfully captures colors and details of objects regardless of the ambient light source.

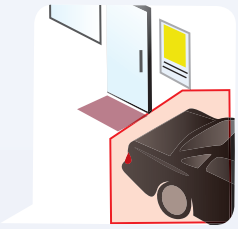
SMOOTH IMAGE STREAMING WITH H.264 COMPRESSION

The VB-M40 uses the H.264 image compression format to improve network transmission speeds, while maintaining full-frame 1280 x 960 pixel (1.3 megapixel) images. In addition, the camera uses Smart Shade Control to brighten underexposed areas and to improve contrast.

DETECT ANY ANOMALY WITH CANON'S INTELLIGENT FUNCTION

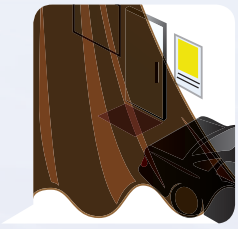
Through the process of complex algorithms, the VB-M40 is able to offer an unprecedented level of detection not seen in other competing brands, including the ability to detect abandoned or moving objects in a frame.

DETECTS ABANDONED OBJECTS »
(e.g. Suspiciously parked vehicle)



« DETECTS MOVING OBJECTS
(e.g. Person attempting illegal entry)

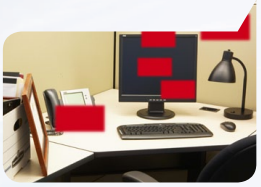
DETECTS TAMPERING OF CAMERA »
(e.g. Obstruction of camera's field of view)



« DETECTS AMBIENT SOUNDS
(e.g. Breaking of glass from forced entry)

DETECTS REMOVED OBJECTS »
(e.g. Unauthorized transportation of object)

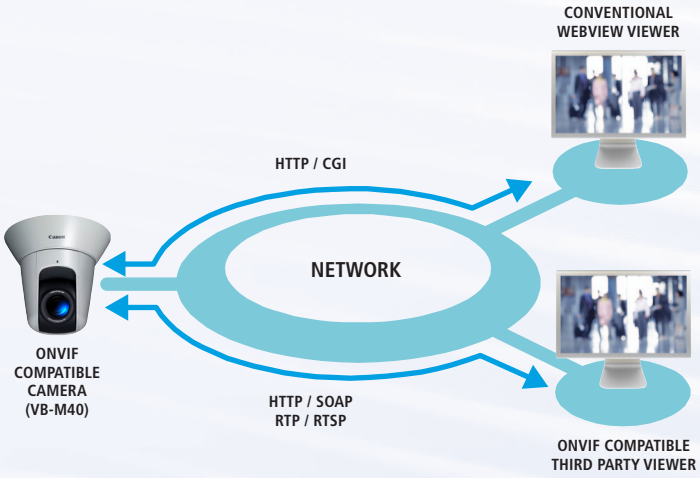
PRESERVING YOUR PRIVACY



Going above and beyond standard security measures is the VB-M40's ability to block user-defined areas in the camera's view. This innovative function allows up to 8 areas to be digitally masked from view via colored rectangles.

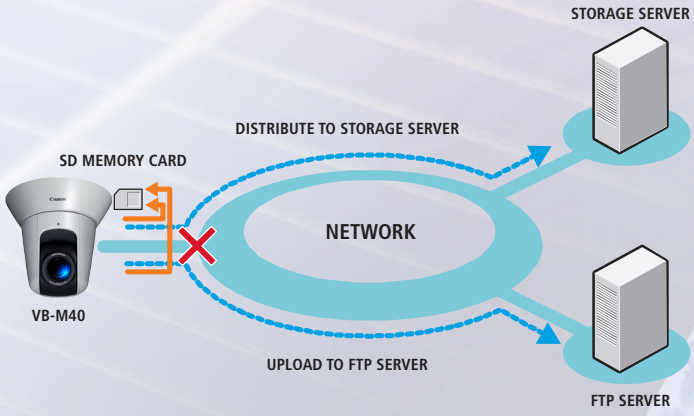
EXPANDED CONNECTIVITY WITH ONVIF

The VB-M40 supports the Open Network Video Interface Forum (ONVIF) communication standard for enhanced compatibility with ONVIF-compatible devices from other vendors. With ONVIF support, System Integrators will find the VB-M40 exceedingly easy to integrate into existing installations.



BUILT-IN SD MEMORY CARD COMPATIBILITY

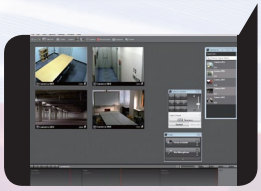
With a built-in SD Memory Card slot that supports SDHC memory cards up to 32GB, the VB-M40 does more than just stream data to servers. In the event of a breakdown in data transmission, the VB-M40 can automatically record operation logs and images simultaneously to minimize potential operational disruptions.



USER-FRIENDLY APPLICATION TO MANAGE CAMERA SETTINGS

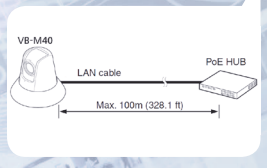
A variety of camera settings including the "Privacy Mask" and "Intelligent Function" tools can be easily controlled with applications that are accessible via any supported browser without the hassle of additional software installation.

RM-LITE NETWORK VIDEO RECORDING SOFTWARE



The VB-M40 also comes packaged with RM-Lite, a video recording software specially created to leverage on the capabilities of Canon's new range of network cameras. The RM-Lite software allows recording from up to 4 cameras, making the VB-M40 highly suited for small to medium-sized installation, without the need to purchase additional recording software.

EASY INSTALLATION WITH PoE



Power over Ethernet (PoE) technology enables the VB-M40 to receive both data and power through a single LAN cable. Once the camera is connected to a PoE enabled hub, no additional electrical installation work is required.

PRODUCT SPECIFICATIONS

CAMERA	Image Sensor	1/3 type CMOS (Primary color filter)
	Number of Effective Pixels	Approx. 1.3 million pixels
	Scanning Method	Progressive
	Lens	20x Optical (4x Digital) Zoom Lens with Autofocus
	Focal Length	f=4.7 (W) – 94mm (T)
	F-number	F1.6 (W) – F3.5 (T)
	Viewing Angle	Horizontal: 55.4° (W) – 2.8° (T) / Vertical: 42.3° (W) – 2.2° (T)
	Day/Night Switch	Auto or Manual In "Auto" mode, it switches automatically according to "Switching Brightness" and "Response" settings
	Min. Subject Illumination	Day Mode (color): 0.4 lux (F1.6, Shutter Speed 1/30 sec., when Smart Shade Control is off) 0.1 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is off) 0.03 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is on) Night Mode (monochrome): 0.01 lux (F1.6, Shutter Speed 1/30 sec., when Smart Shade Control is off) 0.002 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is off) 0.001 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is on) Values when using an indoor dome housing (smoked): Day Mode (color): 0.8 lux (F1.6, Shutter Speed 1/30 sec., when Smart Shade Control is off) 0.2 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is off) 0.06 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is on) Night Mode (monochrome): 0.02 lux (F1.6, Shutter Speed 1/30 sec., when Smart Shade Control is off) 0.004 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is off) 0.002 lux (F1.6, Shutter Speed 1/8 sec., when Smart Shade Control is on)
	Focus	Auto / One-shot AF / Manual / Fixed at infinity (for dome)
	Shooting Distance (from front of lens)	Day Mode: 0.3m – ∞ (W) / 1.0m – ∞ (T) Night Mode: 1.0m – ∞ (W) / 1.5m – ∞ (T)
	Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec.
	Exposure	Auto / Flickerless / Shutter-Priority AE, Manual (Shutter Speed / Aperture / AGC Gain)
	White Balance	Auto / Select Light Source (Warm Flourescent, White Flourescent, Daylight Flourescent, Mercury Lamp, Sodium Lamp, Halogen Lamp) / Manual / Lock (One-shot WB) *manual setting is available with RM-Lite only
	Metering Mode	3 Options (Center-weighted / Average / Spot)
	Exposure Compensation	7 Levels
	Smart Shade Control	7 Levels (Function for increasing the brightness of shaded subjects in an image)
	Image Stabilizer	2 Levels (Electronic)
	Pan Angle Range	340° (±170°)
	Tilt Angle Range	100° (Ceiling-mounted position: -90° – 10°)
	Moving Rate	Pan: Max. 150°/sec, Tilt: Max. 150°/sec
SERVER	Video Compression Method	H.264, JPEG
	Image Size	JPEG : 160 x 120, 320 x 240, 640 x 480, 1280 x 960 H.264: 320 x 240, 640 x 480, 1280 x 960
	Image Quality	JPEG/H.264: 5 Levels
	Frame Rate *1	JPEG : 30 – 0.1 fps H.264: 30 / 15 / 10 fps
	Max. Frame Rate	Max. 30 fps (1280 x 960) *1
	Simultaneous Client Access	JPEG : Max. 30 Clients + 1 Admin Client H.264: Max. 10 Clients
	Audio Compression Method	G.711 μ-law (64 kbps)
	Audio Communication Method	Full-duplex (Two-way) - Echo cancellation function compliant
	Audio Playback	Available (An amplifier speaker is necessary for playing audio files; sold separately)
	Protocol	IPv4: TCP / IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (from Canon), ONVIF IPv6: TCP / IP, UDP, HTTP, FTP, SMTP (Client), DNS (Client), ICMv6, POP3, NTP, SMTP authentication, WV-HTTP (from Canon), ONVIF
	On-Screen Display	Available
	Encrypted Communications	SSL / TLS, IPSec (Auto Key Exchange / Manual)
	Camera Control	3 User levels available (Administrator / Authorized user / Guest user) Up to 50 users' user names and passwords can be set for Authorized users
	Preset Setting	Max. 20 positions (Preset tour capable)
	View Restriction	Available
	Privacy Mask	Number of registration: Max. 8 places, Number of mask colors: 1 (Select from 9 colors)
	Access Control	Access control (user name & password) / Host-based access control (IPv4, IPv6)
	Intelligent Function	<Image> Type of Detection: Moving object detection, removed object detection, abandoned object detection, and camera tampering detection Area of Detection: Max. 15 places <Volume> Volume Detection
	Event Trigger Type	External Device Input 1/2, Intelligent Function (Image), Intelligent Function (Volume), Timer
	Image Upload	FTP / HTTP / SMTP (e-mail) Temporary storage memory in camera: Max. approx. 4MB, Frame Rate: Max. 10 fps
	Event Notification	HTTP / SMTP (e-mail)
	Language	English / French / German / Italian / Spanish / Japanese
INTERFACE	Network Terminal	LAN x 1 [RJ45, 100Base-TX (Auto / Full-duplex / Half-duplex)]
	Audio Input Terminal (common for LINE IN & MIC IN)	3.5mm mini-jack connector (Monaural) LINE IN/MIC IN can be switched in the setting page LINE IN x 1 (Connect to an amplifier microphone) or MIC IN x 1 (connect to a microphone w/o amplifier)
	Audio Output Terminal (LINE OUT)	3.5mm mini-jack connector (Monaural) LINE OUT x 1 (Connect to an amplifier speaker)
	External Device I/O Terminal	Input x 2; Output x 2
	Memory Card	SD Memory Card, SDHC Memory Card Compatible. Max. approx. 32 GB, Frame Rate: Max. 1 fps
OTHERS	Operating Environment	Temperature: -10 – 50°C (14 – 122°F) / Humidity: 5 – 85 % RH (without condensation)
	Power Supply	PoE: PoE power supply via LAN connector (IEEE802.3af compliant) AC adapter: Optional PA-V17 (AC 100 V) External power source: AC 24 V/DC 12 V
	Power Consumption	With PoE: Max. approx. 9.8W / with AC adapter PA-V17: Max. approx. 12.5W
	Dimensions	132mm (Diameter) x 155mm (Height)
	Weight	Main unit Approx. 1150g * Approx. 270g (Ceiling Mount Cover, Ceiling Plate) Approx. 108g (Junction Box Plate) Approx. 765g (Indoor Dome Housing)

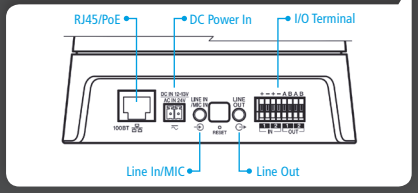
*1) The frame rate may be reduced due to Viewer PC's specs, the number of clients accessing at the same time, network loads, type or movement of the subject, image quality setting or other reasons.

OPTIONAL ACCESSORIES

DR40-C-VB: Clear Indoor Dome Housing
DR40-S-VB: Smoked Indoor Dome Housing

PA-V17: AC Adaptor

INTERFACE



BANGLADESH
J.A.N. Associates
Tel : 880-2-8611444
Fax : 880-2-8610410

BRUNEI
Interhouse Company
Tel : 673-2-653001
Fax : 673-2-653003

CAMBODIA
Cemtes (Cambodia) Pte. Ltd.
Tel : 855-23-214229
Fax : 855-23-217357

INDIA
Canon India Pvt. Ltd.
Tel : 91-124-4160000
Fax : 91-124-4160011
www.canon.co.in

INDONESIA
PT Datascrip
Tel : 62-21-6544515
Fax : 62-21-6544811
www.canon.co.id

MALAYSIA
Canon Marketing (Malaysia) Sdn. Bhd.
Tel : 60-3-78446000
Fax : 60-3-78450505
www.canon.com.my

MALDIVES
SIMDI Company Pvt. Ltd.
Tel : 960-324819
Fax : 960-318433

MYANMAR
Myanmar Golden Rock International Co., Ltd.
Tel : 95-1-202092/3/4
Fax : 95-1-202079

NEPAL
International Electronics Concern (P) Ltd.
Tel : 977-1-4421991
Fax : 977-1-4421909

PAKISTAN
MBM International
Tel : 92-21-32277093
Fax : 92-42-37530948

SINGAPORE
Canon Singapore Pte. Ltd.
Domestic Operations
Tel : 65-6799-8888
Fax : 65-6799-8882
www.canon.com.sg

SRI LANKA
Metropolitan Computers (Pvt) Ltd.
Tel : 94-11-2437797
Fax : 94-11-2685322

THAILAND
Canon Marketing (Thailand) Co., Ltd.
Tel : 66-2-3449999
Fax : 66-2-3449910
www.canon.co.th

VIETNAM
Canon Singapore Pte. Ltd.
Ho Chi Minh City Representative Office & Showroom
Tel : 848-38200466
Fax : 848-38200477

Hanoi Representative Office
Tel : 84-4-7711677
Fax : 84-4-7711678
www.canon.com.vn

Canon

SOUTH & SOUTHEAST ASIA REGIONAL HEADQUARTERS

CANON SINGAPORE PTE. LTD.
1 HarbourFront Avenue,
#04-01 Keppel Bay Tower, Singapore 098632
Tel: 65-6799-8888
Fax: 65-6799-8882

www.canon-asia.com

Dealer's Stamp

0153W323